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GALLERY XIX

CHINESE ART
SHANG AND CHOU DYNASTIES
BRONZES
JADE

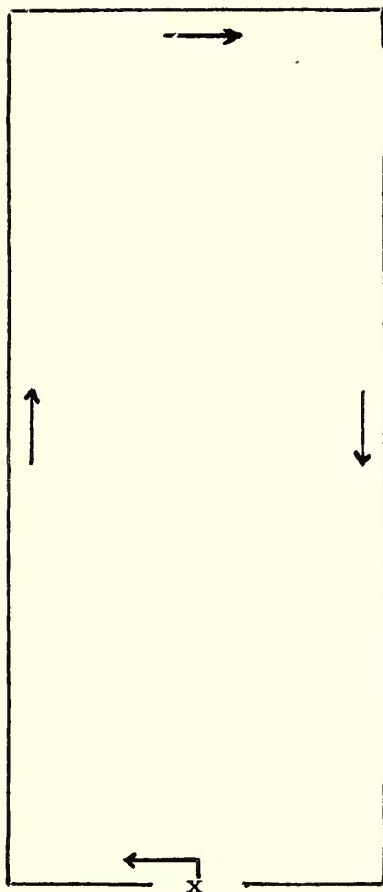
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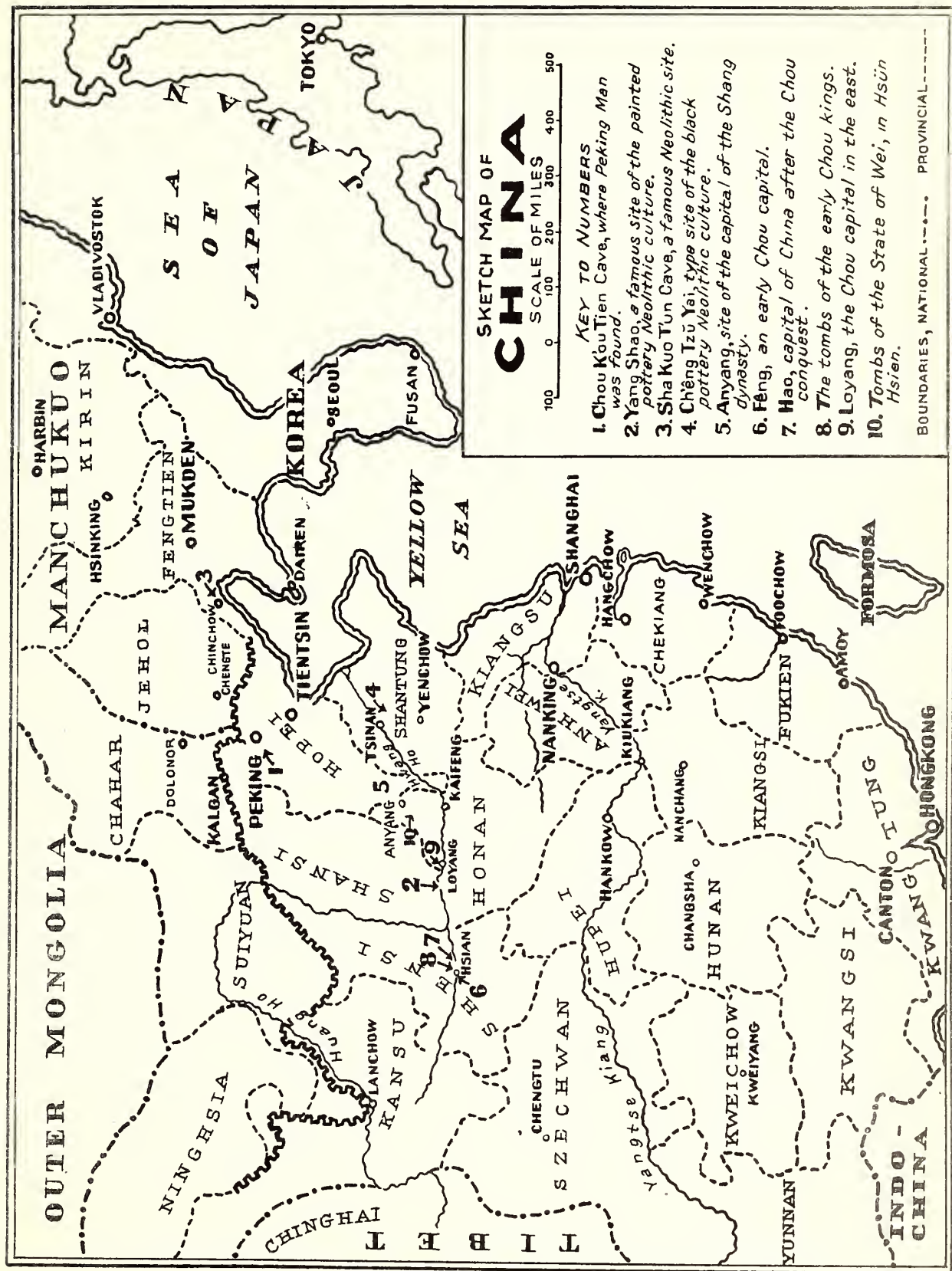
Nov. 10, 1949

GALLERY XIX

Floor Plan



Objects are described in order
beginning at left of door marked x.



CEREMONIAL BRONZES

The bronze objects in this gallery date from the earliest historical periods in China, the Shang and Chou Dynasties (traditional dates: 1766-1122, 1122-249 B.C.). Although traditional Chinese history mentions periods of even greater antiquity ending with a dynasty called Hsia, which was reputedly overthrown by Shang, these records are purely legendary, and are known to us mainly from the oldest of the surviving written histories which was compiled about 100 B.C. Not many years ago, the Shang Dynasty, too, was considered legendary, but the discovery of inscribed fragments of bone that were used for divination, and the study of these inscriptions, has, to a large extent, verified the reports of the historian. These documents, though written in archaic script, are the direct ancestors of modern Chinese, and show that the language was already highly developed. That is, it was in no sense primitive; and just as these texts are evidence of the advanced intellectual capacities of the Shang people, the bronze objects of this early period are witness of an elaborate and sophisticated material culture. Here, from the earliest historic era, are bronzes whose technical perfection is not to be outdone by modern bronze casters, and whose ornamentation bespeaks a rich spiritual life.

The objects were made by casting molten bronze in various ways. The so-called "lost wax" method was used, as was direct casting in clay moulds; and the expert manipulation of these techniques is apparent in the fact that the great precision and fineness of the surface patterns was executed in this way. Only rarely do we find traces of chiseling, filing, or otherwise working over the completed object with tools. With this in mind, an examination of the bronzes themselves is the best way to gain an understanding of the skill of the early Chinese. It should be noted, too, that the present color of the objects in no way reflects their original appearance. It is probable that they were the usual metallic colors, often brass, sometimes silver, and perhaps copper and black, and that this was relieved in some cases by a lacquer or lacquer-like inlay of black or red. Traces of these materials remain on some vessels. The present rich shades of green, blue, and other colors are the accidental result of chemical action on the metal by the soil in which it has lain buried.

(Ceremonial Bronzes, continued)

In the matter of the forms of the bronzes, and of the patterns which adorn their surfaces, our knowledge is still extremely limited. It is known, for instance, that there were food vessels, wine vessels, water vessels, weapons, and musical instruments. The classes are not clearly defined, and much of our present opinion may someday have to be revised. Another point on which we are much in the dark, is the names of the various forms. It will be noted that each vessel has a type name, but while these are convenient for reference, there is only incomplete evidence that these names were familiar to the makers of the bronzes. While some of the vessels have their type names inscribed on them, many of the names we use are those given by antiquarians of much later date.

The surface decoration has been a subject for much study, but the original meaning of the various forms remains unknown. The ancient Chinese were greatly impressed by natural phenomena, and the various aspects of nature took their places beside the deceased ancestors as objects of devotion. We would call it nature worship. As a general assumption, then, it may be said that the many dragon and monster forms, the bugs, fish, animals, birds, lines, spirals, and circles that cover the surfaces of the bronzes in such rich profusion were intended as symbols for the forces of nature of which the Chinese stood in awe. They were not necessarily meant to depict these forces, for, like other Asiatics, the Chinese did not always seek to make realistic representations of their gods. They were often mere symbols, arbitrarily conceived to suggest the existence and the activity of the powers they saw and felt around them. Thus the makers of the objects put the best of their technical abilities to work in the service of their spiritual needs.

One further point should be noted. Many of the bronzes have inscriptions, in characters of archaic form, cast on their surfaces. In the case of the earlier examples, there may be only one or two characters, and later on they increase in length, occasionally reaching several hundreds. The study of these inscriptions has thrown some light on the history of the early periods, and has revealed something about the immediate purpose of the objects themselves. Instead of assuming, as we once did, that the bronzes were made only for burial with the dead, we now know that this was not the

(Ceremonial Bronzes continued)

case. They were made for ceremonial use by the living. The shorter inscriptions are sometimes mere monograms, or they may indicate that the object was dedicated to a particular ancestor to insure his welfare in the hereafter. Some of the longer inscriptions contain material of important historical interest. They relate events in the lives of kings and lesser officials, describe military conquests, hunting expeditions, royal journeys, etc. Such records generally conclude with dedicatory remarks and the expression of auspicious hopes for the living and the dead alike.

Characteristic Ornament

The apparently infinite number of forms appearing on the bronzes may be considered, to a large extent, as variations of certain basic elements. The principal ones occurring on objects described in this Gallery Book are listed below with some of their Chinese names and brief explanations based on the present rather limited knowledge of the subject.

Lei 雷文 . Translated "thunder pattern", this form consists of small spirals varying from rectangular to circular in shape. It often covers the whole surface of vessels, and is also used as body-filling for other elements.

T'ao-T'ieh 饕餮 . Translated "glutton" or "monster", this name is applied to one of the commonest motifs on early bronzes, though the term does not actually occur in Chinese literature until the third century B.C. Its form is that of a face, or mask, seen from the front, and it varies considerably in detail. In general two eyes, eye-brows, nostrils, and upper lip appear; though other features are sometimes recognizable. While it is often clearly defined, there are instances where the details are only suggested, or are partially obscured by other forms. Attempts have been made to identify individual examples with tigers, rams, water-buffaloes, etc., but, for the most part, this is pure guesswork and lacks real authority. It should be noted that the form often consists of the confrontation of two animals seen in profile, and also that it is occasionally shown upside down.

Dragons. One of the most popular motifs all through the history of Chinese art, this form occurs on ancient bronzes in a number of variations. Usually seen in profile, they may have no legs at all, or else two or four; they may have bottle-shaped horns, hooked horns, large ears, or flowing crests, and their nostrils may end in a beak, a snout, or a trunk. Sometimes they are shown coiled up, seen either from the side or from the top. These various forms have been extensively classified by the Chinese with different names for each.

Cicada. With the representations of this insect, the bronze decorators come from the field of the fabulous, imaginary beasts to the depiction of actual living creatures. The cicada, or locust, appears in swarms over the North China Plain each summer, and the buzzing noise of these insects is

one of the most characteristic features of that season.

Cowrie. This mollusk is native to the Indian Ocean, and its shell was known in China from Neolithic times. It was widely used as money, and, in addition to this, it has long held an important place in Chinese lore as a symbol of fertility.

Silkworm. The small worm-like creatures on some of the bronzes have been tentatively identified as silkworms; but this is still uncertain. It is known, however, that silk was woven in the Shang dynasty; and the producer of this valuable material may well have had sufficient importance to be used for symbolic purposes on these ceremonial vessels.

Monster Masks. These are animal heads of various kinds, distinguished from the t'ao-t'ieh in that they are executed more in the round and have complete mouths instead of just the upper lip. They occur on handles and as handle lugs, or merely as protruding elements of the design. Several types are noted: those with feline features which may be lions, tigers, or cats; those with bovine features which may be bulls, oxen, or water-buffaloes; and those that look like rams' heads. Various kinds of horns and teeth appear interchangeably on the different types.

The following drawings illustrate some of the varieties of these designs:

- | | | | |
|---------|---------------------|---|--|
| Page 1. | Upper three figures | - | <u>T'ao-t'ieh</u> . |
| | Bottom | - | Interlaced dragons. |
| Page 2. | Top | - | <u>T'ao-t'ieh</u> . |
| | 2nd | - | Water-buffalo heads at sides; horned dragon at center. |
| | 3rd | - | <u>T'ao-t'ieh</u> . |
| | Bottom | - | Feline dragon. |
| Page 3. | Top | - | Bird forms. |
| | 2nd | - | " " |
| | 3rd | - | Cicada forms. |
| | 4th | - | Cicada forms at sides. |
| | | - | Fish at center. |
| | Bottom | - | Hare. |
| Page 4. | Top | - | Dragon forms at sides. Center an elephant with <u>lei wên</u> filling. |
| | 2nd | - | Dragon forms. |
| | 3rd | - | Dragon form at center. Silkworm (?) forms at sides. |
| | Bottom | - | Coiled dragons. |

N.B. Numbers below figure refer to objects in the collection from which the figures are taken.



37.1



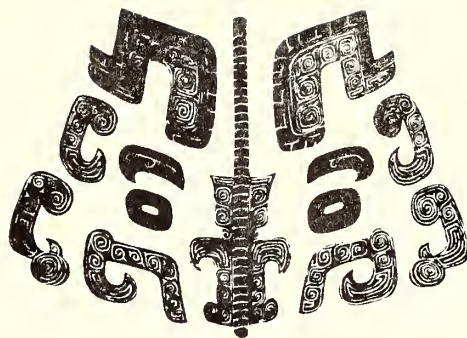
38.6



30.54



39.5



40.3



30.26



39.53



31.10



38.20



30.54



30.54



38.20



30.26



38.6



30.26



40.11



35.12



40.11



39.53



40.3



39.53



40.11



39.53



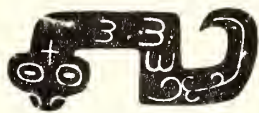
38.6



40.11



41.8



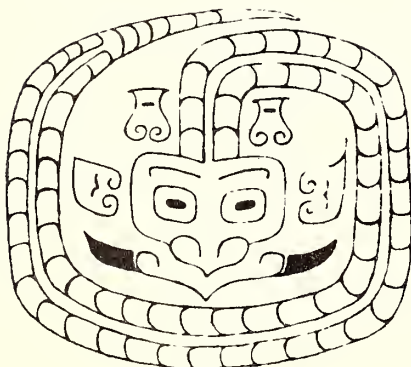
38.20



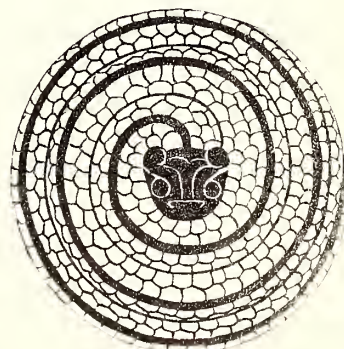
42.14



40.3



42.14



41.9

Principal Types of Bronzes.

As was noted above, there is much uncertainty as to the names of the various types of early bronzes; and many of those now in use were applied to the vessels from ten to twenty centuries after they were made. Because of their convenience for reference, however, a list of terms is given below. While it must still be regarded as tentative, it is based on the latest work of Chinese, European and American scholars in the field. Two of the names are worth special mention. I is a term appearing in the inscriptions of many vessels, and simply means "sacrificial vessel". It is not, therefore, applicable to any particular type. The term fang i, however, which means "square sacrificial vessel", has acquired a special meaning through usage, and is now applied only to rectangular vessels, with roof-like covers (cf. 30.54). In the same way, the term tsun, which has a similar general meaning and is used in combination with i in many descriptions, has come to have a more specific use. It is now applied not to a single type, but to a large group of vessels including those in animal form that do not, for special reasons, fall into other categories, as well as to large vases of various shapes. Some of the more usual types may be grouped as follows:

Food Vessels.

Li 鬲 : a tripod whose interior extends well down into hollow legs; usually two upright loop handles on the rim.

Ting 鼎 : a round tripod or rectangular four-legged vessel with solid cylindrical legs, and loop handles upright on the rim. Details of this form vary considerably.

Hsien 甗 : a steamer formed by a tripod of li type surmounted by a colander with handles.

Kuei (or Chiu) 簋 : a bowl with two or four handles, sometimes with none, resting on three or four feet, a hollow rectangular base, or on its own round foot; with or without cover.

- Hsü 盪 : a shallow, ovoid, covered dish with handles; projections on cover to serve as legs when inverted.
- Fu 簠 : a rectangular covered dish with straight, steeply sloping sides; cover almost duplicate body when inverted.
- Tou 豆 : a stemmed vessel with spheroid bowl and cover, and two annular handles; circular projection on cover to serve as foot when inverted.

Wine Vessels.

- Tsun 尊 : a large vase or jar with flaring lip, round or rectangular. Any vessel of zoomorphic design not otherwise classified, (see introductory note).
- Chih 觶 : a small vase, ovoid in section, usually covered.
- Yu 卣 : a covered jar, ovoid or round in section with bail handle.
- Huo 盞 : a covered vessel with spout for pouring. Three or four legs, or none, various types of handles. Any other vessel with spout.
- Chia 卣 : a round or square vessel with three or four pointed legs; handle on one side and two upright members on lip; with or without cover.
- Chüeh 爵 : (formerly read Chio): tripod cup with handle, and symmetrically pointed lip, with or without cover.
- Chia 角 : like Chia only with long open spout and lip pointed in back.
- Chia 觥 : a slender beaker with wide foot and wider flaring lip.

Hu 壺 : a large round or square vase with swelling body usually with two ring handles; with or without cover. Many variant forms.

Lei 罍 : a large vase or jar, much like above only with widest part of body just below neck.

Kuang 觥 : a squat pitcher elongated from front to back; with cover extending over open spout, handle at back, zoomorphic in form.

Water vessels, Musical instruments, Misc.

I 彝 : ceremonial vessels in general, (see introductory note).

I 匜 : a shallow vessel for pouring water, three or four legs, or none; handle at back; sometimes covered. Like our "gravy boat".

Chien 鑑 : (sometimes called Hsi 洗) : a large, deep basin, usually with two handles. Probably for washing as implied by its alternate name.

P'an 盤 : a wide shallow pan with or without handles and feet.

Yü 盃 : a large, deep vessel with flaring lip, with or without handles. For wine or water.

Chung 鐘 : a clapperless bell to be struck from outside; ovoid in section, handle on top.

Ko 戈 : a weapon consisting of a long dagger-like blade, with a tang at the back for hafting. The form varies considerably.

Ch'i 戚 : a battle axe with a broad blade and a tang at the back for hafting. The form varies considerably.

JADE

The Chinese term yü 玉 which we generally translate as "jade", covers a wide variety of stones of compact structure capable of taking a soft, lustrous polish. The principal types are nephrite and jadeite, and early jades of the finest quality are usually nephrites. In color these stones range from black to white, with shades of yellow, russet, fawn, brown, gray, green, blue and even purple in between. The source of this mineral as used in ancient China is unknown. It may have been imported, or may have come from local jade deposits now lost or worked out, or from water-worn boulders and pebbles found in the beds of streams.

It is apparent that this mineral was thought to be the most valuable of all. Indeed it has been said that the ancient Chinese considered it as the essence of

power or virtue [德 tê] rather than as a precious stone. However this may be, it is certain that objects made of jade played a highly important part in ritual observances of all sorts, both religious and secular. We do not know the exact uses for which many of these objects were made, but we may fairly conjecture that they fall into four groups as follows:-

1. religious symbols; 2. badges of office; 3. funerary offerings for the dead, known in Chinese as ming ch'i 明器;
4. ornamental objects.

Attempts have been made to identify the various jade forms with descriptions appearing in early Chinese texts, and while such identifications are by no means certain we give the following list for the general idea it may convey as to the uses and importance of jade in early Chinese culture:-

1. Religious symbols:

- (1) The perforated disk pi 璧; sometimes called the symbol of the deity Heaven.

- (2) The squared hollow cylinder tsung 琮; sometimes called the symbol of the deity Earth.

- (3) The "ring" pi, huan 環璧 ; sometimes called the symbol of the deity North.
- (4) The green tablet, kuei 圭 ; sometimes called the symbol of the deity East.
- (5) The red tablet ("half-kuei"), chang 璋 ; sometimes called the symbol of the deity South.
- (6) The tiger tablet hu 琥 ; sometimes called the symbol of the deity West.
- (7) Rings, flat or round, used as offerings.

2. Badges of office:

Blades, tablets, and certain forms resembling axeheads, chisels, scrapers, etc., which seem to have been derived from earlier Stone Age weapons and tools, and to have survived as objects of ritual, carried or worn by persons as emblematic of their official rank.

3. Funerary offerings:

May include any of the above items. Also various amulets to be placed on or in various openings of the corpse, such as the mouth, eyes, umbilicus, etc., as well as garment ornaments of one sort or another, etc.

4. Ornamental objects:

Necklaces, headdress ornaments, girdle and dress ornaments. Fittings for swords, scabbards, and weapons of various kinds. Tallies, and seals. Carvings of animals, fishes, birds, monsters, and insects. All these, however, may also be indicative of rank, etc., or as offerings or gifts of one kind or another.

Types of ornamentation:

- (1) Engraved in line.
- (2) Carved in relief.

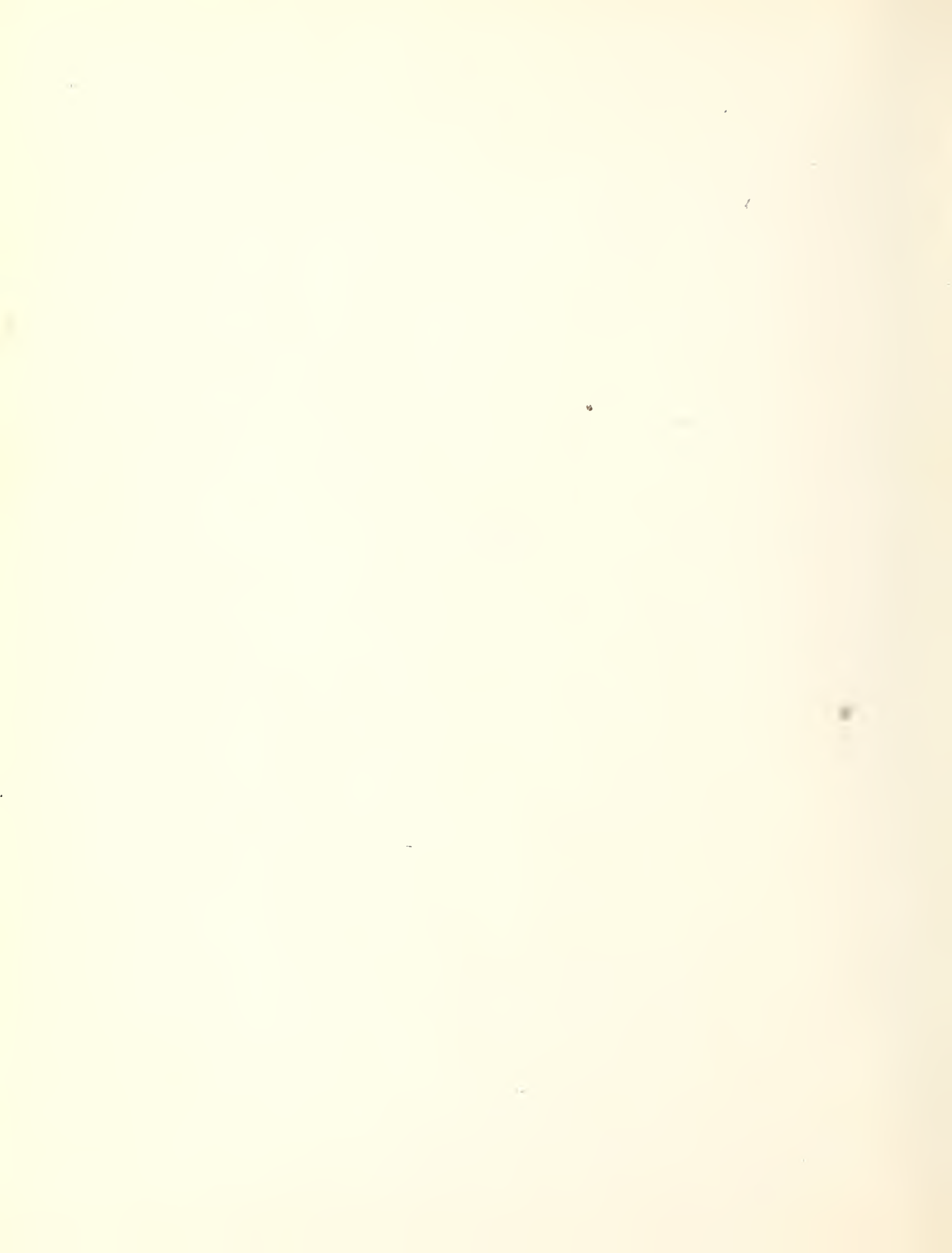
Patterns:

- (1) Linear arrangements, as fillets, zig-zag lines, both simple and interlaced, forming lozenges, and scrolls of various kinds including the so-called "thunder" and "cloud" scrolls.
- (2) Animalistic designs, as monster (t'ao t'ieh) forms, dragon, cicada, etc.
- (3) A serrated edge ornamentation, of silhouette character. It is peculiar to early Chinese jades and cannot be explained.
- (4) "Rice pattern", --- tiny bosses.

We know comparatively little of the early Chinese culture which produced these objects, but it is safe to say that the broad basis of early Chinese civilization was agricultural, and that the religion was, in general, animistic or concerned with nature worship. Added to this was the necessity of protecting agricultural holdings from incursions of other peoples, and the extension of such holdings by means of excursions against bordering peoples. This necessitated some sort of military establishment. We have, therefore, three essential factors on which the conduct of the community was based, agriculture, religion and war. These, it seems fair to suppose, gave rise to the forms of implements connected with governmental and religious ceremonies, and these two were naturally very much intermingled. Hence, many of the jade forms no doubt represent either military or agricultural implements made to be used for ceremonial purposes.

The aesthetic appeal of jade persists in China to the present day. It is valued not only for its beauty as a stone which appeals to the eye, but almost equally for its appeal to the touch. It is very hard and thus difficult to work, and the fact that we have both extremely simple, as well as highly ornamented objects of this material dating from early times, is an indication of its two-fold appeal.

CASE A



25.2 Ceremonial wine vessel of the type tsun.
Height .353 x widthn .279 m. (13-15/16" x 11").

Chou dynasty.

The rectangular vase with high base and flaring lip is divided vertically by eight notched flanges, one at each corner and one in the middle of each side. Each of the main registers is covered with lei-wên. On the base are two dragons face to face on each side, while the body has pairs of crested birds in the same positions. On the shoulder pairs of long-tailed, crested birds face bovine heads which appear in relief on each side. Long-tailed dragons appear on the lower part of the neck while the upper part is decorated with leaf-shaped elements filled with lei-wên and dragons.

The smooth, almost black surface has several characters scratched on it which have, however, nothing to do with the original condition of the vessel.

CASE B

39.39 Pair of bronze ceremonial weapons of the type ko,
39.40 decorated with turquoise inlay. Malachite patina-
tion. Length .393 m. (15-1/2") and .391 m. (15-7/16")
respectively.

Shang dynasty.

The care with which the inlay is applied and the
thinness of these objects as a whole, indicate
that they were made for ceremonial purposes rather
than as functional weapons.

41.4 Ceremonial implement: the blade of mottled gray-brown and white nephrite mounted in bronze closely inlaid with turquoise; socket for vertical shafting: scattered malachite incrustations. Over all measurements .213 x .079 m. (8-5/16 in. x 3-1/8 in.).

Shang dynasty,
Provenience, An-yang in Honan Province.

As a rule, blades mounted for vertical shafting are lance-shaped, and it is difficult to determine whether a square blade like this is derived from a weapon or some other sort of implement. At all events the type must be rare.

41.5 Ceremonial weapon of the type ko. The blade of mottled warm gray and white nephrite (stained by burial) mounted in bronze inlaid with turquoise: perforated tang heavily patinated. Length over all .419 m. (16-1/2").

Shang dynasty.

Provenience, An-yang in Honan Province.

16.492 Ceremonial implement of very dark grayish green jade with brownish patination on tang and edges; blade slightly concave on both sides; lateral dull edges flaring to form sharp concave edge on end; perforation in tang which is divided from blade proper by triangular projections on either edge. .366 x .072 m. (14-7/16" x 28-5/16") over all.

Shang dynasty.

This implement seems to reflect some earlier specialized agricultural tool form. It was probably laterally hafted, and bound to the haft by thongs passing through the hole in the tang, under the haft on both sides of the blade, and over the chock-like lateral projections. The jade form is, of course, ceremonial, and may be a badge of office, or a ritualistic implement used in some ceremony reflecting an agricultural rite or practice.

- 41.3 Short, broad blade of mottled warm gray and gray-green nephrite; weapon type; one conical perforation pierced from both sides. Over all measurements .266 m. x .105 m. (10-7/16 in. x 4-1/8 in.).

Shang dynasty.

The shape of this blade is derived from the ko type weapon in its earliest form, as seen in early bronze inscriptions where it commonly appears more sharply pointed, but still relatively broad, and perfectly symmetrical, and mounted at right angles to its shaft.

CASE C

42.14 Ceremonial wine vessel of the type yu.
a-b Height .240 x width .213 m. (9-7/16" x 8-3/8").

Shang dynasty.

This vessel is a less usual variant of a well known type, as will be seen by comparison with 40.11 and 30.26. The form here is that of two owls placed back to back, and instead of resting on an ovoid base, the vessel is supported by the feet of the owls. It will be noted, too, that a handle was originally provided; and that, though it is now missing, the lugs by which it was attached to the body still remain.

Two principal ground patterns cover the surface of the vessel. In addition to the usual lei-wên, there are scale-like forms alternately plain and decorated with spirals. These are arranged to simulate feathers, and appear appropriately on the breast and wings of each owl. On each foot is curled a scaly dragon with a single bottle-shaped horn. The body of the vessel is divided by thin slightly notched vertical flanges. The wings are bordered by bands of small circles as are the rims of both the vessel and cover. Above and below each wing is placed a small, long-tailed bird with large, protruding eye and bottle-shaped horn. The lugs which fastened the handle are decorated with monster masks.

The cover consists of the heads of the two owls, and carries four short flanges similar to those on the body. The two that run longitudinally have been shortened to allow for the strong beaks. The eyes are large, round and truly owl-like, and above them are elaborate horns. The characteristic knob on the cover is roof-shaped, and each of its four faces is decorated with an inverted t'ao-t'ieh.

Underneath the vessel, between the four feet, is a plain area in which are cast in intaglio two t'ao-t'ieh and a coiled dragon with bottle-shaped horns.

It is of interest to note that in spite of the formal treatment of the whole object, there is no difficulty in recognizing here the eagle-owl of Europe and Asia, known in this country as the Great Horned owl.

Bronze ceremonial vessel of the type li-ting,

Height at handles: 8-5/8 in. Diameter: 7-1/4 in. over all,

Shang dynasty, 11th-12th century, B. C.

Vessels of the li-ting type are a combination of the types li and ting. They are not uncommon, but this one is of exceptionally fine quality. The opposing pairs of dragons ranged around the upper register of the design, the t'ao-tieh masks in the second register, and the flanges are all done in the Shang manner, while the plantain leaf design on the legs is found on both Chou and Shang bronzes. The single character inscription inside near the lip is likewise characteristic of Shang dynasty epigraphy. This character, which is highly pictographic, is composed of a dagger-axe and an ear and may be an early form of a modern character meaning "to cut off the left ear". The practice of cutting off the left ears of enemies slain in battle is ancient and was in use during the Shang dynasty.

44.1 Ceremonial vessel of the type tsun.
Height .297 x width .231 over all (11-11/16"
x 9-1/16").

Shang dynasty.

The type tsun is not an unusual one, but the decoration and its application to the shape of this vessel are unusually fine. The decoration is divided into three registers, the two lower ones of which each contain four t'ao-t'ieh masks in strong relief with spiral fill as a background, and separated vertically by four strong flanges. The upper register is extremely interesting, being composed of four plantain leaf forms which lend themselves to the flare of the lip. Each leaf is divided lengthwise by a tapering angular petiole with alternate plain and striate decorations. These petioles form extensions of the dividing flanges on the lower registers. Bold intaglio designs decorate the halves of the leaves on either side. The vessel bears an inscription inside the bottom signifying that it was made in honor of Father Ting.

42.1 Ceremonial wine vessel of the type huo.
Height .181 x width .208 m. (7-1/8" x 8-3/16").

Shang or early Chou dynasty.

This vessel is classified as a huo because of its spout, but in other respects it differs widely from the usual examples of the type. (cf. 33.2, 36.6). The most striking feature is the cover which resembles a human face with bottle-shaped horns. The ears are perforated, and fall just above two lugs on the body of the vessel that were evidently used to attach a handle.

The back of the head is decorated with two dragon forms; and between the lower parts of these begins a series of diamond-shaped patters that cover the whole back of the snake-like body as it winds around the vessel. This is clearly the body that goes with the human head; and it will be noted that it is bordered on one side with a scale-like pattern, and, on the other, with a series of notches like those on the flanges of many types of vessels. The creature is provided with two arms in low relief which begin below the ears, are bent at the elbow, and end in powerful claws. On each upper arm is a handle-lug decorated with a monster mask. Behind the right elbow is a bird, and behind the left, an inverted dragon form. In front of the arms are two dragons with bottle-shaped horns and gaping jaws which are confronted around the spout, and, taken together, form a t'ao-t'ieh. The background is filled with lei-wen.

The base, which is perforated with three round holes, one under the spout, and one under each elbow, is decorated with spiral patterns.

38.5 Ceremonial wine vessel of the type kuang.
Height .235 x length .310 m. (9-1/4" x 12-1/4").

Shang dynasty.

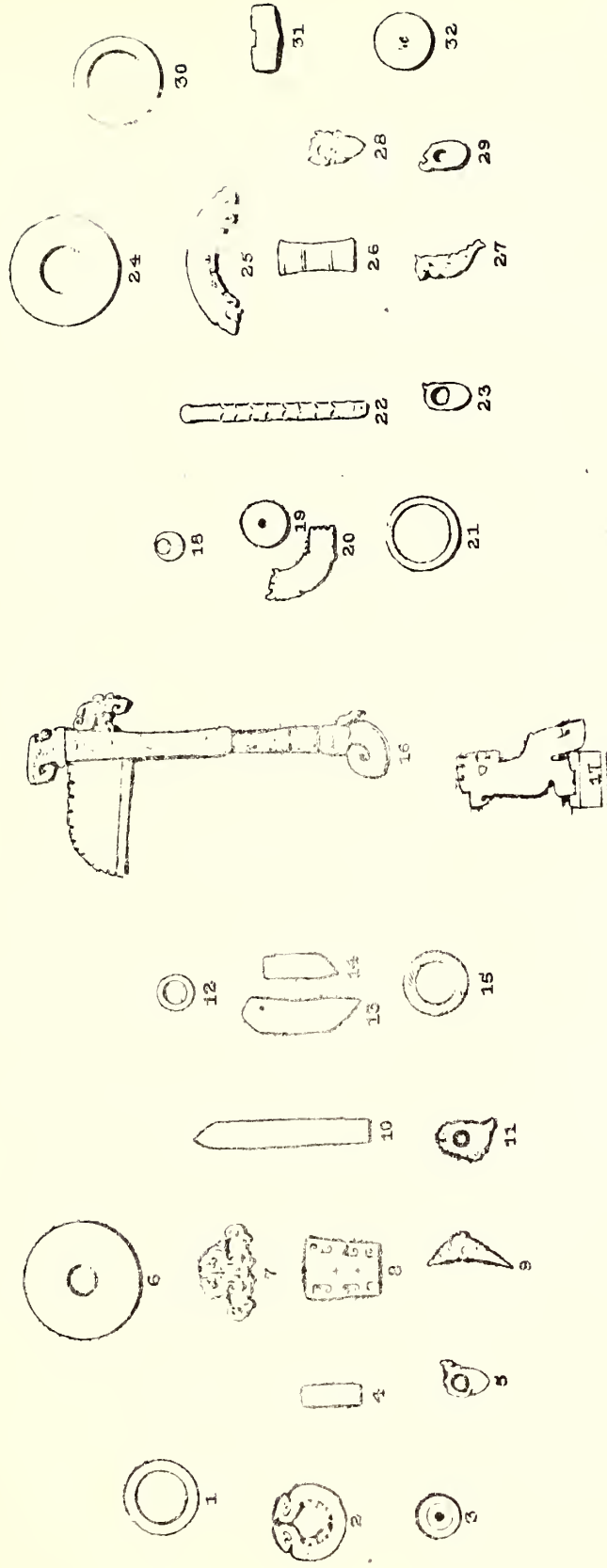
In this vessel the handle is provided by the head and neck of the bird whose body makes up the lower part of the object, (cf. 39.53).

The whole object is unusually smooth in contour, with only the feet, wings, eyes and ears of the bird raised in low relief. The feet appear on the base over a band of lei-wen in which are dragon elements. The neck, belly, and under side of the bird's tail are covered with a scale-like pattern, simulating feathers; and the wings are slightly raised above this ground. Above the wings are areas covered with lei-wen, and within these, at the same level, are highly stylized dragon forms.

The main part of the cover carries the same pattern, and is flanged longitudinally along the back. The end of the cover that overhangs the mouth of the spout is a monster head with open mouth and pointed teeth, and broad round ears standing erect. At the back of the cover is an owl's head with powerful beak, large round eyes, and horns rising vertically from the surface of the cover.

Inside both the vessel and cover is cast an inscription of two characters, probably a monogram.

C a s e D



1-39.9	7-39.30	13-39.20	19-39.7	25-39.29	31-39.28
2-39.33	8-39.16	14-39.19	20-39.6	26-39.54	32-39.15
3-39.13	9-39.17	15-39.11	21-39.10	27-39.18	
4-39.22	10-39.21	16-40.10	22-39.31	28-39.34	
5-39.23	11-39.26	17-40.2	23-39.25	29-39.24	
6-39.32	12-39.12	18-39.27	24-39.14	30-39.8	

Diagram showing corresponding catalogue numbers

- 39.9 Flat ring of translucent green-gray nephrite, finely corrugated spirally. Diameter .069 m. (2-3/4") over all.

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

- 39.33 Open ring ornament of translucent cream-white nephrite with rusty areas. Greatest diameter .070 m. (2-3/4").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

The decoration is pierced and has relief carving on both sides ending in two dragons' heads back to back. There are two suspension holes drilled through the edges of the dragons' crests. Except for its small size, it might be classified as a

lung 龍, a jade dragon, which may have been used in ceremonies invoking rain.

- 39.13 Flat double ring of almost opaque white nephrite, the outer ring corrugated spirally, the inner engraved on both sides. Diameter .039 m. (1-1/2"), over all.

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

Its use is unknown.

- 39.22 Plaque of translucent, grayish nephrite; on one surface the face and body of a dragon in countersunk relief with engraved details. Length .055 m. (2-7/8").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

The dragon seems to be of the k'uei 夔 variety, and this dorsal view of it is interesting in connection with similar dragons and so-called t'ao-t'ieh masks so often seen on ancient bronze vessels. The sort of thing to which this plaque was meant to be applied as ornament can only be guessed at, -- possibly military equipment of some kind.

- 39.23 Archer's spurred thumb-ring of translucent, gray nephrite with area of opaque cream-white; engraved decorations including a bird; one hole for suspension. .045 m. (1-3/4") overall.

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

The usual archer's thumb-ring identified strictly with China is of simple cylindrical shape, long and thick. The type exhibited here has been found in Persia, Turkey, Asia Minor, Korea and India, and has been described as "oblate, never cylindrical, one side flaring and in profile resembling, more or less, the visor of a cap". In recent years, however, this type has been found in China. The three (39.23, 39.24, 39.25) exhibited here have one common feature which distinguishes them from others found elsewhere, and that is a pronounced spur which has a variety of forms but is always in about the same relative position to the ring and always at approximately the same angle. Both the oblate and the cylindrical types were used in archery in connection with the "Mongolian release", and the same is probably true of the oblate type with the spur. It appears that in modern Korea the oblate type was worn with the top joint of the thumb thrust through the ring from the convex side and flexed so that the ball of the thumb lies in the concavity of the ring's visor-like extension, which serves to protect the ball of the thumb from friction when the bow string is drawn and released. If the spurred ring answered the same purpose and was worn in the same way, - as, apparently, must have been the case, - then the spur, projecting toward the base of the first finger, may have served to guide the nock end of the arrow and make the archer's grip more secure. If this was the case, it is evident that the rings shown here could have been worn only on the right thumb. However, Korean archers, using the spurless oblate ring, commonly draw the bow with either hand. However, oblate rings without spurs and also with two opposite spurs - which could have been worn on either hand, - have been found in China and suggest that the modern Korean practice was already familiar to the Chinese in Chou times.

39.23 (continued)

It seems quite probable that aside from their practical aspect, such rings were also used for purely ornamental purposes, as perhaps symbolic girdle-pendants for the living, or for burial with the dead.

- 39.32 Perforated disc of the type pi, of nearly opaque cream-white nephrite with dark flecks: on both sides a woven cane design in countersunk relief between plain margins. Diameter .110 m. (4-5/16") over all.

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

This is a typical pi: (see 39.14), - more specifically, a p'u pi 蒲壁, with reference to the cane (p'u) design. The perforation is very slightly conical. (See 39.14).

- 39.30 Ornament of white and opaque gray nephrite;
dragons in openwork low relief on both sides;
two perforations for suspension or attachment.
Greatest dimension .090 m. (3-1/2").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

- 39.16 Curved ornament of nearly opaque cream-white nephrite: a mask and spirals in openwork and relief on either side; four holes for attachment. Height .068 m. (2-11/16").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

The mask on the convex side indicates the bottom and front of the ornament. Apart from the mask, the front and back are similar, although the elements of the design are somewhat differently treated and arranged on the concave side. The holes for attachment are curiously asymmetrical, there being three of them in one long margin, and only one in the other. Furthermore, only one of them can be said to have been made without reference to the decorative effect. It is thus difficult even to guess how this object was used.

- 39.17 Pendant of translucent milky white nephrite tipped with brown at one end: a dragon in profile, open work and relief on both sides; one hole for suspension. Length .077 m. (3-1/16").

Chou dynasty, circa 480-230 B.C.

Provenience, Shou-chou, in Anhui Province. (see 39.6).

- 39.21 Miniature blade (type ko) of gray-green, translucent nephrite; tang indicated; one hole for suspension (?). Length .171 m. (6-3/4").

Chou dynasty, circa 480-230 B.C.

Provenience, Lo-yang (Chin-ts'un), Honan Province.

As far as the form of the blade goes, the hole in the tang may be said to be functional; but it seems quite possible that miniatures of this sort were made only for burial with the dead.

- 39.26 Ornament of grayish, translucent nephrite with chalky, opaque areas; relief and engraved decorations; one side largely unfinished. Length over all .054 m. (2-1/8").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

The design is based on the form of the oblate type of archer's thumb-ring (cf. 39.23, 39.24, 39.25), and may have retained a symbolic significance which added to its value as a piece of decoration. The general shape of it together with its unfinished reverse side suggest that it was meant to be mounted in a setting of some sort. This piece seems to be an early example of an ornament pure and simple -- though perhaps symbolic too -- elaborated from the thumb-ring form.

- 39.12 Small, flat ring of translucent yellow-gray and purple nephrite, corrugated spirally. Diameter over all .034 m. (1-5/16").

Chou dynasty, circa 480-230 B.C.

Provenience, Shou-chou, Anhui Province.

It is possible that this may have been a loose-ring handle.

- 39.20 Small curved blade of greenish-white, translucent nephrite (?) with lilac spots; both surfaces alike; one hole for suspension. Length over all .121 m. (4-3/4").

Chinese, 14th-12th centuries, B.C.
Shang dynasty, late,
An-yang.

The trimming of the butt was certainly not done by the maker of the blade, and suggests that a raw edge due to fracture has been later smoothed by a less competent craftsman. Whether this blade was originally complete in itself or was part of something else cannot now be determined; but the hole for suspension, though anciently and very neatly drilled, does not seem to be part of the original design.

- 39.19 Small blade of slightly translucent pinkish-yellow nephrite (?) the two surfaces almost alike; the tang indicated; one hole for suspension. Length .070 m. (2-3/4").

Shang dynasty, 14th-12th centuries B.C.
Provenience, An-yang, Honan Province.

- 39.11 Broad ring of lighter and darker brown nephrite, elliptical in section and corrugated spirally. Diameter over all .061 m. (2-3/8").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

- 40.10 Ceremonial sickle in four parts: three of bronze inlaid with turquoise, one (the blade) of jade decorated in linear relief with notched back and ground edge. Over all assembled .345 x .175 m. (13-9/16" x 6-7/8").

Shang dynasty, 14th-12th centuries, B.C.

- 40.2 Terminal ornament: a bird in profile silhouette with details in countersunk linear relief on both sides; perforated tang. Height over all .118 m. (4-11/16").

Shang dynasty, circa 14th-12th centuries, B.C.

The perforated tang suggests that this bird was originally mounted with a pin passing through the perforation to hold it firmly in position. Crested birds of this general type are not uncommon among early jades and bronzes, and seem to have been regarded as important symbols during a considerable period.

- 39.27 Eccentric ring ornament of translucent, greenish-white nephrite; two intertwined animals in relief on either side; one suspension hole. Diameter over all .027 m. (1-1/8"). .

Chou dynasty, circa 480-230 B.C.

- 39.7 Small perforated disc of greenish-gray nephrite: a coiled "bottle-horned" dragon in countersunk relief on either side. Diameter over all .043 m. (1-11/16").

Shang dynasty, 14th-12th centuries, B.C.
Provenience, An-yang, Honan Province.

The perforation is conical, and the peripheral margin is bevelled in the same sense, so that the diameter of one surface is 3. mm. less than the other. Judging by its shape and size the object

might be of the type described as ch'i 璊, i.e., a jade ornament for the King's cap. (See 39.15).

- 39.6 Flat, thin ornament of translucent, gray-green nephrite with whiter areas: a bird in profile silhouette with details in countersunk relief on both surfaces; two holes for suspension. Greatest dimension .091 m. (4").

Shang dynasty, 14th-12th centuries, B.C.
Provenience, An-yang, Honan Province.

- 39.10 Ring of translucent yellow-gray and brown nephrite, almost circular in section and corrugated spirally. Diameter over all .070 m. (2-3/4").

Chou dynasty, circa 480-230 B.C.

Provenience, Shou-chou, Anhui Province.

- 39.31 Handle of slightly translucent, dark, gray-green serpentine (?); the tang is pierced for attachment. Length .178 m. (7").

Shang dynasty, 14th-12th centuries, B. C.
Provenience, An-yang, Honan Province.

Judging from another complete piece, this may be the handle to a ceremonial dagger.

- 39.25 Archer's spurred thumb-ring of translucent white nephrite with small cream-color patches; bird-shaped spur; engraved decorations; one hole for suspension. Length over all .045 m. (1-25/32").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

See 39.23.

- 39.14 Broad, flat ring of green-gray nephrite with milky and dark areas: both sides dotted with aligned spirals in countersunk relief between plain margins. Diameter over all .103 m. (4-1/16").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

The Êrh ya 爾雅 an old Chinese dictionary of glosses and texts, refers to the three principal types of annular jades and says (in effect), "If the breadth of the ring be twice the diameter of the hole, then the jade is a pi; if the diameter of the hole be twice the breath of the ring, then

the jade is a yüan 瑗; if the breadth of the ring and the diameter of the hole be equal, then the jade is a huan." It is, however, very doubtful that this formula was ever strictly followed: certainly it is not generally applicable to the ancient annular jades which have survived. Perhaps the closest approach to anything like the rule consists in saying that a ceremonial jade of this general type having a relatively small hole, i.e. a perforated disc, as distinguished from a ring, may safely be called pi, while a ring may be called a pi or a huan if it be broad, or a yüan if it be narrow. Thus this example might be either a pi or a huan even though it does not conform to the formula for either. A similar piece is classified in a Chinese work as a pi. (See 39.32.)

- 39.29 Ornament of opaque, gray nephrite; similarly pierced, engraved and relief designs on both sides with dragon profile at either end; one suspension hole. Greatest linear dimension .142 m. (5-5/8").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

The suspension hole was evidently drilled when the decorative carving was finished, - perhaps even later; but it indicates that the ornament was made or adapted for use as a pendant, - if not to be worn by the living because of its obvious fragility, then for burial with the dead.

- 39.54 Ornament of reddish brown nephrite shading to gray-green; somewhat translucent; one surface decorated in low reliefs mostly linear; four holes for attachment. Length .072 m. (2-13/16").

Chou dynasty, circa 8th century B.C. or later.

The shape of this jade conveys no idea of its use; but the one decorated surface or front, and four vertically perforated bosses on the corners of the back, indicate that it was designed for attachment to something as a "one way" ornament pure and simple. The decorations in the upper and lower zones are essentially alike; they confront each other and appear to be highly stylized renderings of a face which, if not wholly human, is at least anthropomorphic. The head in the middle zone, however, is human without doubt, although its face seems to be related in a general way to the stylized faces in the upper and lower zones and also to a considerable number of heads and faces appearing on other jades in this Collection and elsewhere.

- 39.18 Pendant of translucent gray and brownish nephrite: a dragon in profile, open work and relief on both sides; one hole for suspension. Length over all .066 m. (2-5/8").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

- 39.34 Ornament of opaque purple, gray, brown and cream-white nephrite; pierced, engraved and low relief decoration on both sides: two birds and a leaf-shaped appendage., Over all .052 m. (2-1/16").

Chou dynasty, 5th-3rd centuries, B.C. or later.

- 39.24 Archer's spurred thumb-ring of translucent green-gray nephrite with small areas of brown; engraved decorations including a bird; one hole for suspension. Length over all .047 m. (1-7/8").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

Since the bore is too small to permit this ring to be worn on the thumb, it is reasonable to suppose . that it was made for burial with the dead, or even for use by the living, as an ornament, - perhaps symbolic. Compare with 39.6 and 39.23.

- 39.8 Narrow ring of translucent, mottled, grayish nephrite with brown areas; outer and inner margins bevelled on both faces. Diameter over all .083 m. (3-1/4").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

Rings of this type are sometimes called yüan 瑗.
(see 39.14).

- 39.28 Sword-guard of translucent, milk-white nephrite; a "mask" in low relief on either side; perforated to receive the tang of a sword. Length .060 m. (2-3/8").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

- 39.15 Perforated disc of translucent gray nephrite with dark flecks; center plug of another material; counter-sunk reliefs of dragons and spirals; three holes for attachment. Diameter over all .052 m. (2-1/16").

Chou dynasty, circa 480-230 B.C.
Provenience, Shou-chou, Anhui Province.

The bevelled edge makes one surface about 1.5 mm. less in diameter than the other. The material of which the plug is made has now completely degenerated, - possibly it was originally of bronze, stone or composition of some sort. Its function seems to have been to conceal the means of attachment. The size and shape suggest that it should be classified as the type of

ornament known as ch'i 璆, said to have been one of a number of such ornaments attached to the seams of the King's leather cap. It does seem, however, that a large, heavy button such as this may well have fulfilled some more practical and less cumbersome purpose. (See 39.7).

C a s e E

23.1 Ceremonial wine vessel of the type chia.
Height .528 x width .305 m. (20-13/16" x 12").

Shang dynasty.

Vessels of this type are characterized by pointed legs, triangular in section, the round cup with two uprights projecting from the rim, and the single handle. (cf. 35.12).

The uprights are capped with bell-shaped members whose surfaces are decorated with bands of lei-wen, four triangular teeth, and three plain rings in relief. The body of the vessel is divided vertically by five thin segmented flanges, each in two parts, and the place of the sixth is taken by the plain flat handle. The neck is decorated with triangular teeth which include lei-wen and dragon forms making up inverted t'ao-t'ieh. The two main registers are covered with lei-wen and also have the elements of the t'ao-t'ieh. The outer faces of the legs make the framework for inverted leaf patterns filled with elements only slightly different from those in the teeth on the neck. The whole surface of the vessel is characterized by flatness, the only relief being provided by the eyes of the dragons and the flanges.

A single character, probably a name, is cast inside the vessel.

Case F

30.54 Ceremonial wine vessel of the type fang-i.
a-b Height .351 x width .246 m. (13-7/8" x
9-11/16").

Chou dynasty.

The vessel itself is divided into three horizontal zones of decoration, and the cover carries two. From top to bottom run eight heavy, segmented flanges, one at each corner, and one in the middle of each side. The latter four are interrupted at the neck and at the upper register of the cover. The perforation of the flanges forms deep hooks, and the upper two hooks of the cover, the upper three of the body, and the one on the base each have sharply protruding lugs on their outer edges. Similar flanges, on a smaller scale, ornament the four corners of the roof-shaped knob on the cover.

Each of the horizontal zones carries a ground pattern of lei-wen. Around the base are twelve crested birds, four on each side, two on each end, facing the central flange in each case. The main body of the vessel has a large t'ao-t'ieh on each side. On the neck, above the central flanges, are animal heads of feline type in the round, and each of those has two snake-like bodies with heavy scales placed horizontally on either side.

The cover has a large inverted t'ao-t'ieh on each face; and above those on the long axes, are two confronted long-tailed birds. On the short ends, this space is reduced to a triangle and is filled with lei-wen and extremely stylized dragon forms. These reappear on the short ends of the knob, while the long faces of this topmost member again carry inverted t'ao-t'ieh.

Inside the vessel is cast a long inscription which is repeated, with one more character, inside the cover; these consist of 186 and 187 characters respectively. While some details remain obscure, the general purport of the inscription is clear. It relates how the king of Chou appointed one Ming Pao to take charge of the government, to set up departments of external and internal affairs, and to assemble the Chief Ministers.

30.54 (continued)
a-b

Two months later, Ming Pao was received in audience by the King, and, when his reports were concluded, sacrifices were performed including the making and dedication of this vessel. Several officials are mentioned by title, but, as is typical of these texts, the name of the King is omitted. It is, therefore, impossible to state the exact reign in which these events occurred, but it is perhaps safe to say that it was in the eleventh century B. C.

33.2 Ceremonial wine vessel of the type huo. Height .223 x width .210 m. (8-3/4" x 3-1/4").

Chou dynasty.

Vessels with spouts for pouring are usually classified as huo (cf. 36.6 and 42.1); and this example stands on four solid, cylindrical legs. The body is made up of four bulbous sections with the lower part of each resting on one of the legs. The whole surface is covered with lei-wên; and the elements of the t'ao-t'ieh appear facing each corner. At the back is a handle decorated with intaglio patterns, and with a monster head at the top. Between the ears of the head is a loop which is joined by a double link to a similar loop on the cover. Around the neck is a band of lei-wên with t'ao-t'ieh. The spout is decorated with leaf-shaped patterns in intaglio. The cover design consists of lei-wên with two large t'ao-t'ieh back to back, and has a loop handle on the top.

Inside the cover is cast an inscription of 50 characters of which the last four are repeated outside the vessel, under the handle. The name Ch'ên-ch'ên is that of the writer of the inscription and its presence relates this to a series of nineteen other vessels bearing his name, all excavated near Loyang in Honan Province in 1929. Among ten additional vessels found at the same time is the fang i (30.54); and in spite of dissimilarities in the execution of the design of the two vessels, the style of the inscriptions also suggests a similar date, sometime in the 11th century B.C.

Ceremonial wine vessel of the type huo.
 Height .172 x length .212 m. (6-3/4" x 8-3/8").

Chou dynasty.

The vessel is in the form of an elephant whose trunk serves as a spout, thus placing it in the class huo. Except for the under belly and the insides of the legs, the body is covered with lei-wên. On this, in somewhat higher relief, the very much disintegrated elements of the t'ao-t'ieh appear on the haunches and the front legs. In the middle of each side appears an eye-like form surrounded by four crescents back to back. Near the top of the back are dragon forms, and four small worm-like dragons curl over the top of the head and on the forehead. Along the back of the tail, continued in one section on the cover, and along the trunk is a thin slightly notched flange. The face and ears are plain except for the eyebrows and slight intaglio decorations which also appear on the trunk. The cover is decorated with small worm-like dragons similar to those on the forehead; and the handle is a small elephant in the round whose pose duplicates that of the vessel.

For other types of vessels of this class, cf., 33.2 and 42.1.

35.12 Ceremonial wine vessel of the type chia.
Height .406 x width .251 m. (16" x 9-7/8").

Shang dynasty.

The vessel is a rectangular variant of the type whose round form is perhaps better known (cf. 23.1). The body is divided vertically by seven thin and slightly notched flanges, one at each corner, and one in the middle of each side except that which holds the handle. The corner flanges are carried on down the legs. The dominating feature of the design is the close, all-over pattern of lei-wen which fills the background and covers most of the low relief work. The legs have a long vertical dragon on each side, with a cicada between; and the elements of the t'ao-t'ieh occupy each of the main panels of the body. In the lower outside corner of each long face of the vessel are small, crested creatures with beaks. Above the main design are rows of small dragons, two on each end, four on each side; and above these again are rows of triangular teeth with inverted cicadas. The handle is decorated with intaglio patterns and is surmounted by a bovine head with large, angular horns. The up-rights on the rim have intaglio patterns on their outer faces, and rectangular caps with very thin notched flanges and roof-like tops. They are decorated with bands of lei-wen, and tooth-like elements. The rim has a row of inverted t'ao-t'ieh in intaglio, alternating with triple bands of chevrons sunk in raised ridges. On the cover are two large t'ao-t'ieh back to back; and the handle consists of a small owl-like bird with erect tufted ears.

An inscription of one character, probably a name, is cast inside the vessel.

Bronze ceremonial vessel of the type yu,

Height: 9 in. Length: 9 in. Width: 6-1/16 in. over all,

Chou dynasty, 10th century B. C.

Decoration cast in low relief, with bold jutting animal heads terminating either end of the bail handle. The freely executed phoenix design is characteristic of a period after the Chou dynasty capital was moved to Hsi-chêng, near the modern Hua-hsien in Shensi Province. This removal seems to have occurred early in the 10th century B. C. The vessel has a beautifully cast inscription of three characters which is repeated inside the cover and inside the bottom of the vessel. This inscription may be rendered "Sacral vessel made for the ancestral shrine."

46.4 Ceremonial tripod vessel of the type ting. Height .156 m. x width .151 over all (6-5/16" x 5-15/16").

Chou dynasty, 10th century B.C.

Smooth bluish-green patina, with occasional incrustations of cuprite. Two upright inverted "U" shaped handles opposite each other on lip. Three-character inscription inside side.

The decoration is in low relief on a single narrow band around the vessel just under the lip. The design is divided in six compartments each containing a phoenix (fêng-huang) design, and so disposed that there are three pairs of these birds confronting each other. On the bottom of the vessel the legs are connected by a trefoil design in relief possibly used for reinforcement.

The inscription may be translated, "Ting made by Po".

38.20 Ceremonial food vessel of the type kuei (or chiu).
Height .280 x width .341 m. (11 x 13-7/16").

Chou dynasty.

Vessels of this type are numerous, and occur supported by the circular lower part of the vessel itself (cf. 31.10 and 41.8); by three or four feet; or, as here, by a large rectangular stand cast as a unit with the object. This base is hollow, and under the bottom of the bowl of the vessel are the remains of a loop which probably suspended a small bell.

The outer surface of the base, within its plain edges, is covered with lei-wên, and on each side is a t'ao-t'ieh with almost plain surface. Each t'ao-t'ieh is flanked by two birds with flowing crests, and claws clearly represented. The top of the base is covered with lei-wên at the corners, and over this are dragon elements.

On the vessel itself, the lower part of the base is plain; and above this is a band of lei-wên on which are eight of the so-called silkworm forms arranged in couples, with each pair of couples facing the heavy flange which divides the section. The main body of the vessel is divided by two heavy flanges with protruding lugs, and notches on the sides. These are omitted on the sides with the handles. The decoration of this register resembles that on the rectangular base with t'ao-t'ieh flanked by crested birds on the ground of lei-wên; in this case, however, the t'ao-t'ieh are more elaborate, and may be regarded as confronted dragons seen in profile. The top register, below the plain lip, carries eight small dragon forms with bottle-shaped horns arranged like the silkworms on the base. Over each of the flanges is a monster mask in high relief.

38.20 (continued)

Two large heavy handles are attached to the sides of the vessel; and pendant from them are the heavy lugs characteristic of the type. At the top of each lug is a small human head in relief; and back of these are elements which may be taken to suggest the feet and legs of the bird which is the main ornament of the lower part of the handle. The tail feathers appear above the top of the lug, and the wing curves forward from this point with a snake-like head at the top. Above this are the eye and ear, both lying beneath a curling horn. The beak protrudes in the round from the front of the handle. The topmost element is a monster head beneath large curved horns, each of which suggests a dragon.

Cast inside the vessel is an inscription of eleven characters which has been translated to read:

Po Chê-fu made this precious chiu
to be used for offerings when royalty
is formally received.

Case G

- 17.396 Large ceremonial weapon of the type ko of opaque jade mottled and striped in shades of gray and yellow-gray with some cream-colored surface alteration at both ends; long blade with beveled sides, two cutting edges and pointed end; longitudinal median ridge running from butt to point; wide indented tang with single conical perforation; decoration: channeled and incised, parallel ridges and lines in various patterns. (One chip.) .841 m. (33-1/8 in.) over all.

Shang-Chou dynasty.

Articles of this type reflect the original Stone Age weapon or tool which reached its highest development in bronze. It is assumed that the jade form was a purely symbolic object for religious and ceremonial use, perhaps indicating the official position and rank of the owner and sometimes buried with him.

17.347 Perforated disc of the type pi of nephrite in richly mottled brilliant greens and black with veins of golden brown; bored from both sides leaving sharp, irregular median ridge; proportions irregular. .224 m. (8-14/16 in.) in diameter.

Chou dynasty.

Articles of this type are sometimes called the symbol of the deity Heaven and are for religious and ceremonial use.

- 17.79 Perforated disc of the type pi of mottled dark and light green, golden tan, and brown nephrite with cream-colored cloudings and white veins of decomposition; very large form, bored from both sides leaving median ridge; decoration: lightly incised device in upper quadrant. .318 m. (12-5/16") in diameter.

Chou dynasty.

Articles of this type are sometimes called the symbol of the deity Heaven and were for religious and ceremonial use.

- 19.13 Large ceremonial weapon of the type ko of gray, black and brownish jade, somewhat translucent; area of white and tan decomposition over butt and tang; long blade with beveled sides, two cutting edges and pointed ends; indented tang, long and wide with single conical perforation; decoration: channeled and incised; ridges and band of parallel and criss-cross lines on the butt; a 30 character inscription on reverse side. (Broken and mended, one chip.) .674 m. (26-9/16 in.) over all.

Chou dynasty.

The inscription describes a royal command to a Marquis concerning an inspection trip.

Articles of this type reflect the original Stone Age weapon or tool which reached its highest development in bronze. It is assumed that the jade form was a purely symbolic object for religious and ceremonial use, perhaps indicating the official position and rank of the owner and sometimes buried with him.

- 19.19 Perforated disc of the type pi of richly mottled, bright bluish-green, golden tan, and brown nephrite; cream-colored fleckings of incipient disintegration; bored from both sides leaving median ridge. .236 m. (9-1/4 in.) in diameter.

Chou dynasty.

Articles of this type are sometimes called the symbol of the deity Heaven and are for religious and ceremonial use.

17.65 Squared, hollow cylinder of the type ts'ung in mottled shades of tan, dull yellow, bluish-gray and brown jade; profuse cream-white coating of decomposition; low massive form with narrow projecting collar at both ends; irregularly bored; decoration: channeled and incised; corner ridges, grooves and faint circles. .105 m. (4-1/8") in height x .140 m. (5-9/16") in width.

Chou dynasty.

Articles of this type are sometimes called the symbol of the deity Earth and were for religious and ceremonial use.

C a s e H

43.9 Ceremonial bronze vessel of the type ku. Light green patina with patches of silvery gray inside and out. Design filled with reddish pigment. Incrustations of cuprite and native copper inside and out, particularly in the two-character inscription inside the foot. Over all measurements .293 x .167 m. (11-1/2" x 6-9/16").

Shang dynasty, 12th century, B.C.

The two-character inscription inside the foot

may be read Ch'e Shê 車 涉, in modern characters and no doubt represents a name.

38.53 Ceremonial wine vessel of the type kuang.
a-b Height .167 x length .192 m. (6-9/16" x 7-9/16").

Shang dynasty.

This covered vessel with handle and broad spout was apparently designed to be used with one hand for pouring. (cf. 38.5)

A ground pattern of lei-wên appears on all registers. Over this, on the base, are eight small fish facing inward in pairs on each side. The main body of the vessel begins with a smooth area above which is the principal band of decoration divided by three slightly notched vertical flanges; a fourth flange was undoubtedly omitted because of the handle. The t'ao-t'ieh appears on each side; and, in this case, is clearly made up of two confronted dragons seen in profile. Over the ground pattern of the neck, on each side of the vessel, are seen two birds, an elephant, a hare, and a dragon. The handle, attached to the back, is decorated with vertical grooves, while at the top is an animal mask surmounted by ram's horns in the round.

The cover has a large monster mask at both the front and the back with the general features outlined on an otherwise smooth ground. The front mask appears to be bovine in type with bottle-shaped horns standing up in the round, and an open mouth showing sharp pointed teeth. Ears protrude laterally below the horns. The other mask is of the feline type with broad round ears rising vertically. Between the two masks, the cover is decorated with lei-wên, and dragon forms in relief. The top is divided longitudinally by a flange whose notching is more complicated than that on the main vertical flanges of the body.

38.6 Ceremonial wine vessel of the type chih.
a-b height .190 x width .089 m. (7-1/2" x 3-1/2").

Chou dynasty.

The vessel, as a whole, is divided into four well-defined horizontal bands of decoration which are bordered by thin raised lines, and the cover constitutes a fifth register. It will be noted that the surface of the vessel and of the relief elements which decorate it are perfectly plain, and that two thin, rounded, vertical flanges divide the three lower bands and the top on the broad axis of the vessel.

The main part of the body carries the elements of the t'ao-t'ieh, while below and above it are groups of four small dragons arranged in pairs facing the flanges. The bottom and top dragons are of different types. The t'ao-t'ieh appears again on the neck and on the cover; and the three occurrences of this form serve to illustrate some of the various ways in which it may be composed.

Inside both the vessel and its cover is cast an inscription of one character, probably a name.

40.11 Ceremonial wine vessel of the type yu.
a-b Height .361 x width .267 m. (14-3/16" x 10-1/2").

Shang dynasty.

This vessel is characteristic of its type in every respect. (cf. 30.26 and 42.14). It is divided into three horizontal bands of decoration, separated from one another by plain areas; and the cover has two more such bands. Vertically, the vessel is divided by four heavy, deeply notched flanges on each register save the neck, where two of the flanges are omitted to make room for the handle.

Each register is provided with a ground pattern of lei-wen. The base carries eight small dragon forms, facing the central flanges of the broad axes in pairs. Above this, the main field is decorated with the elements of the t'ao-t'ieh, again seen full face on the broad axes. The neck has four small dragon forms in pairs facing the feline mask in the round that forms each end of the handle. These latter are the outside surfaces of large sockets which fit over lugs on the body of the vessel and give the handle its free-swinging action. The vertical sides of the cover are decorated with small dragons with ears, and on each end is a heavy lug whose outer face carries an inverted cicada in intaglio. The top of the cover has two t'ao-t'ieh so placed as to be seen from the short axes of the vessel; thus the handle does not interfere with the design. The mushroom-like knob on top is divided into six segments on each of which is an inverted cicada. The handle is decorated on the outside by a band of lei-wen and cicada patterns, while the inside carries a row of scale patterns, alternately plain and filled in with concentric grooves.

An inscription of one character is cast inside both the vessel and its cover.

41.8 Ceremonial food vessel of the type kuei (or chiu).
Height .139 x diameter .219 m. (5-1/2" x 8-1/4").

Shang dynasty.

Although the type is better known with either two or four handles (cf. 31.10 and 38.20), this example is not unique in this respect.

The base and body of the vessel are covered with lei-wen, and are divided into sections by six slightly notched vertical flanges. In low relief on the base are dragons arranged in pairs facing alternate flanges. On the main body of the vessel are the elements of the t'ao-t'ieh. Above this is a band of small dragons, two in each section, and each two pairs face a monster mask in the round that covers the lower half of every other flange. On the neck is a series of broad triangular teeth each decorated with lei-wen and an inverted cicada.

Inside the bowl is cast an inscription of two characters, probably a monogram.

25.3 Ceremonial wine vessel of the type chüeh.
Height .251 x width .225 m. (9-7/8" x 8-7/8").

Shang dynasty.

This vessel is distinguished from other tripods by the long spout and pointed lip; and by the two vertical projections that rise from the base of the spout.

The legs are triangular in section, and the two inner surfaces are provided with depressions which follow the outer contour. The lower part of the cup is quite plain, and above this is a wide bank of lei-wen on which appear the elements of the t'ao-t'ieh. This bank and the neck above it are divided vertically by three thin, lightly notched flanges, and the fourth dividing line is provided by the handle which is plain except for a monster mask at the top. Beneath the handle is a plain area reserved for an inscription which, however, was omitted on this example. The neck is decorated with a row of leaf-shaped forms which rise to varying heights corresponding to their positions under the lip and spout. The two vertical members at the base of the spout have capped tops whose lower edges are bordered with lei-wen.

Case I

- 15.69 Ceremonial implement of the type kwei of mottled pale cream and dark reddish brown jade with traces of black; long, wide tablet with beveled end and perforation above the tang. .350 m. (3-13/16 in.) over all.

Early Chou dynasty.

19.61 Ceremonial weapon of the type ko of black and dark olive-green nephrite; blade has beveled sides, two cutting edges and a sharply pointed end; long, slightly indicated tang indented at end and perforated; decoration: in relief and incised, both sides alike; short lateral ridges above tang and three groups of triple lines at perforation. .310 m. (12-1/4") over all.

Shang dynasty.

Articles of this type reflect the original Stone Age weapon or tool which reached its highest development in bronze. It is assumed that the jade form was a purely symbolic object for religious and ceremonial use, perhaps indicating the official position and rank of the owner and sometimes buried with him.

- 19.17 Ceremonial weapon of the type ko of opaque jade in shades of tan, tinged with green on one side; areas of deep cream-colored decomposition at both ends; blade with beveled sides and two cutting edges ending in small lateral projections near the pointed end; slight longitudinal ridge; conical perforation in line with lateral projection on each side above the wide, indented tang. .252 m. (9-15/16 in.) over all.

Late Shang dynasty.

Articles of this type reflect the original Stone Age weapon or tool which reached its highest development in bronze. It is assumed that the jade form was a purely symbolic object for religious and ceremonial use, perhaps indicating the official position and rank of the owner and sometimes buried with him.

18.23 Perforated disc of the type pi of mottled light and dark gray jade on one side, reddish brown with yellow spots on the other side; both sides almost covered with chalky white decomposition; proportions irregular. .155 m. (6-1/8 in.) in diameter.

.Chou dynasty.

Articles of this type are sometimes called the symbol of the deity Heaven and were for religious and ceremonial use.

- 16.162 Ceremonial implement of translucent, mottled light and dark bluish-gray jade; very thin; one side slightly convex; lateral edges flaring to sharp concave end with uneven points; one lateraledge partly sharpened; lateral projection on each side above perforated tang; rough longitudinal ridge from irregular sawing on obverse; reverse has cutting irregularity on handle. .366 m. (14-7/16 in.) over all.

Shang dynasty.

This implement seems to reflect some earlier specialized agricultural tool form. It was probably laterally hafted, and bound to the haft by thongs passing through the hole in the tang, under the haft on both sides of the blade, and over the chock-like lateral projections. The jade form is, of course, ceremonial, and may be a badge of office, or a ritualistic implement used in some ceremony reflecting an agricultural rite or practice.

- 16.491 Ceremonial implement of greenish black nephrite faintly mottled with lighter tone; blade slightly concave on both sides; lateral edges flaring to form sharp concave edge at end; prominent lateral projection on each side above perforated tang; longitudinal saw marks and roughly chipped end on tang. .437 m. (17-3/16 in.) over all.

Shang dynasty.

This implement seems to reflect some earlier specialized agricultural tool form. It was probably laterally hafted, and bound to the haft by thongs passing through the hole in the tang, under the haft on both sides of the blade, and over the chock-like lateral projections. The jade form is, of course, ceremonial, and may be a badge of office, or a ritualistic implement used in some ceremony reflecting an agricultural rite or practice.

- 39.55 Ceremonial implement of semitranslucent, shaded reddish brown and yellow-brown jade with dark mottlings; cream-colored area of decomposition at end of tang; long slender form with lateral dull edges flaring to a sharp concave edge at end; lateral projection on each side above perforated tang. .411 m. (16-3/16") over all.

Shang dynasty.

This implement seems to reflect some earlier specialized agricultural tool form. It was probably laterally hafted, and bound to the haft by thongs passing through the hole in the tang, under the haft on both sides of the blade, and over the chock-like lateral projections. The jade form is of course ceremonial, and may be a badge of office, or a ritualistic implement used in some ceremony reflecting an agricultural rite or practice.

- 16.381 Perforated disc of the type pi of mottled, rich yellow and golden tan jade with veins of white decomposition; one side lighter in color and less incrustated. .156 m. (6-3/16 in.) in diameter.

Chou dynasty.

Articles of this type are sometimes called the symbol of the deity Heaven and were for religious and ceremonial use.

- 15.37 Ceremonial implement of the type kwei; of mottled dark olive-brown; reddish brown, olive-green and orange nephrite; short narrow tablet with beveled end and perforated handle; decoration: in sensible relief and channeled; a demon head on one side, a spread eagle on reverse, triple grooves across handle. .184 m. (7-1/4 in.) over all.

Chou dynasty.

15.108 Ceremonial weapon of the type ko; light gray nephrite with green cast and pale yellow and blue mottlings; blade with beveled sides, two cutting edges and a pointed end; two perforations in the wide indented tang; decoration: incised and channeled lines on butt and tang. .313 m. (12-5/16") over all.

Shang dynasty.

Articles of this type reflect the original Stone Age weapon or tool which reached its highest development in bronze. It is assumed that the jade form was a purely symbolic object for religious and ceremonial use, perhaps indicating the official position and rank of the owner and sometimes buried with him.

- 16.369 Ceremonial implement of the type kuei; opaque, moss-green nephrite with minute silvery specks and scattered light tan strata marks; an area of mottled grayish-brown decomposition at tang and a blue-green streak at perforation; long slender tablet with an upper corner chamfered and smoothed depressions near each end on one side. .338 m. (13-5/16 in.) over all.

Shang dynasty.

- 16.499 Squared, hollow cylinder of the type ts'ung of mottled yellowish cream, tan, and gray jade with extensive surface alteration and decomposition; low form with narrow projecting collar at both ends; decoration: channeled and incised; corner ridges and grooves, geometric and circle designs. .065 m.(2-9/16 in.) in height x .094 m. (3-11/16 in.) in width .

Chou dynasty.

Articles of this type are sometimes called the symbol of the deity Earth and were for religious and ceremonial use.

- 17.63 Squared hollow cylinder of the type ts'ung in mottled shades of medium green nephrite with some brown; partly covered with grayish incipient disintegration; tall form with wide projecting collar at both ends; decoration: channeled and incised; corner ridges and grooves; surface worn smooth. .175 m. (6-7/8 in.) in height x .077 m. (3 in.) in width.

Chou dynasty.

Articles of this type are sometimes called the symbol of the deity Earth and were for religious and ceremonial use.

Squared, hollow cylinder of the type ts'ung; tall form with wide projecting collar at both ends; made of nephrite with richly mottled tones of pale to dark brown with traces of green and yellow; decoration: channeled and incised, grooves and corner ridges, circles, linear and meander patterns. .145 x .070 m. (5-11/16" x 2-3/4").

Chou dynasty.

Articles of this type are sometimes called the symbol of the deity Earth and were for religious and ceremonial use.

- 18.20 Squared, hollow cylinder of the type ts'ung of mottled light and dark tan, orange and cream-colored jade; low heavy form; narrow projecting collar at both ends with hollowed areas; decoration: channeled and incised; grooves, bands and circles at corners. .071 m. (2-13/16 in.) in height x .094 m. (3-11/16 in.) in width.

Chou dynasty.

Articles of this type are sometimes called the symbol of the deity Earth and were for religious and ceremonial use.

CASE J

30.26 Ceremonial wine vessel of the type yu. Height .509 x width .348 m. (20-1/16" x 13-11/16").

Chou dynasty.

The vessel and cover are divided vertically by four thick, heavy flanges with slightly notched sides and large projections. Between these flanges, on the shoulder of the vessel are four long hook-like projections which have water-buffalo heads in relief on their outer faces and heavy lugs below. Two similar members appear on the short edges of the cover. The main design consists of birds of different types in low relief on grounds of lei-wên; these appear in three registers on the body and two on the cover. The shoulder of the vessel and the top of the cover each carry a broad band of rounded vertical ridges. The knob on the top is made up of six small monster masks back to back. The bail is attached to the neck of the vessel by interlocking rings. On the outside of the joint is a monster mask with large palm-like horns standing up in the round, and in the middle of each is an eye. The outer surface of the bail has dragons and lei-wên interrupted at each upper corner by a bovine mask with water-buffalo horns.

For other varieties of this type, cf. 40.11 and 42.14.

CASE K

- 35.21 Pair of bronze tigers.
35.22 35.21, height .252 x length .752 m. {9-7/8" x 29-5/8"}.
35.22, height .251 x length .759 m. {9-7/8" x 29-7/8"}.

Chou dynasty.

The use of these two animals is not known for certain; but the hollow chamber in the back of each suggests that they may have been supporting members for some larger object. The surfaces are decorated with relief casting in the form of bands and hooks roughly simulating the markings on the skin of a tiger. The higher relief of the haunches and shoulders suggest the bony structure of the creature. Each has four long tusks and a row of pointed teeth; and the six claws of each foot are curved around a solid object providing support.



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